

## CLAIMS

~~METHOD OF SEPARATION OF PALLADIUM ISOTOPES IN  
ELECTROMAGNETIC SEPARATOR USING A SOURCE OF IONS~~

B 5 <sup>A method</sup>~~Method~~ of palladium isotope separation in  
electromagnetic separator with use of a source of ions  
including placing of a working substance in a combined with  
gas-discharge chamber graphite crucible of the source of  
ions, heating of the working substance up to the vapor  
10 state, ionization of the vapors of the working substance in  
the gas-discharge chamber of the source under action of  
electron emission from a hot cathode, forming of an ionic  
beam by electrodes of ion-optical system, separation and  
focusing ionic beams of isotopes in magnetic field,  
15 entrapping the ions by receiving boxes, wherein metal  
palladium being used as working substance and temperature  
of heating of the crucible and the gas-discharge chamber  
being maintained within 1500-1700°C.

add  
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